

Claims

1. A papermaking screen consisting of at least one individual fabric for the paper side and at least one individual fabric for the machine side, each of which fabrics consists of a set of weft yarns (4,6) and warp yarns (1,5), at least a part of the individual fabrics positioned one above the other being connected to each other by way of binder yarns (3), characterized in that the respective binder yarn (3) on the paper side extends above (7) warp yarns (1) of the individual fabric below which extends (8) at least one adjoining weft yarn (2) of this individual fabric on the opposite side of the fabric.
2. The papermaking screen as claimed in claim 1, wherein precisely two individual fabrics, one as an upper fabric for the paper side and one as a lower fabric for the machine side, are used to form the screen.
3. The papermaking screen as claimed in claim 1 or 2, wherein only a first type of binding weft yarns effects connection of the individual fabrics as binding weft yarns (3).
4. The papermaking screen as claimed in claim 2 or 3, wherein the upper fabric is configured as linen binding and wherein the respective binding weft yarn (3) defines at the point of extension above (7) of the associated warp yarn (1) relative to it an angular measurement which is equal to the correspondingly formed angular measurement of the weft yarn (2) extension below.
5. The papermaking screen as claimed in one of claims 2 to 4, wherein the lower fabric is a multiple-shank binding, a four-shank or five-shank binding in particular, wherein three or four warp yarns (5) extend below the weft yarns (6) of the lower fabric and one warp yarn (5) extends above the lower fabric, and wherein the respective binding weft yarn (3)

changes from the lower fabric to the upper fabric outside or at the point of such extension above (9).

6. The papermaking screen as claimed in one of claims 1 to 5, wherein the respective binding weft yarn (3) is of essentially the same diameter as that of the respective weft yarn (2) of the individual fabric on the paper side.
7. The papermaking screen as claimed in one of claims 2 to 6, wherein the extension above (7) of the respective binder yarn (3) on the upper side is supported by a warp yarn (1) which extends between the associated weft yarn (2) of the upper fabric and that of the lower fabric.
8. The papermaking screen as claimed in one of claims 2 to 7, wherein the extension above (7) of the respective binder yarn (3) in relation to a weft yarn (2) is separated by three interposed warp yarns (1) and wherein the binding weft yarn (3) extends below a subjacent warp yarn (5) of the lower fabric at the point of the central warp yarn (1) of this group of three binding weft yarns (3).
9. The papermaking screen as claimed in one of claim 2 to 8, wherein, as a result of functional separation of upper weft yarns (2) of the upper fabric and binding weft yarns (3), such yarns consist of different materials, by preference the upper weft yarns (2) consisting of a polyester material and the binding weft yarns (3) of a polyamide material in order to increase the cross-directional stability of the screen.